

CuNiSiCr

Beryllium Free Copper

Norms	Description	Applications
UNS C18000 DIN 2.0855 R.W.M.A. Class III	High mechanical properties with high strength and thermal conductivity combined with good toughness at high temperatures.	<ul style="list-style-type: none"> ● Plunger tips for cold chamber aluminum and magnesium die casting. ● Spot welding electrodes ● Seam welding wheels/discs ● Butt welding dies for stainless steel ● Electrode holders & seam welding shafts ● Plastic injection mould parts and inserts ● Chill moulds for non-ferrous metal castings (brass, bronze...etc)

Chemical Composition	Mechanical Properties	Physical Properties
Ni 2,5 % Si 0,7 % Cr 0,4 % Cu Balance	Hardness 200 - 220 HB Tensile Strength 660 - 690 N/mm2 Yield Strength 500 - 520 N/mm2 Elongation (L=5D) 13 %	Electrical Conductivity min. 44 % IACS Thermal Conductivity 210 W/mK Density 8.7 g/cm3

Available Forms	Delivery Conditions
	Forged and solution heat treated.

STANDARDS & CERTIFICATION

The quality control process is certified with **UNI EN ISO 9001:2015**

In our laboratories, all products are controlled with Optical Emission Spektrometer (OXFORD INSTRUMENTS), hardness/ electrical conductivity tests with bench-type hardness measurements, mobile conductivity testers according to **DIN 3.1.B STANDARDS**.

On request We deliver our products with US Tested (second level ultrasonic report) by third-party independent laboratories

By phone

Türkiye (Turkish):
+90 (216) 394 1 666

International (English):
+90 (533) 594 4 389

Mon. – Thurs. 9:00 - 18:00 (GMT+3)
Friday 9:00 - 15:00 (GMT+3)

By mail

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